Analytical and Quality Control Report

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Report Date: January 9, 2007

Work Order: 6121324

Project Name: HELSTF Groundwater Samples
Project Number: 7

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
111621	HLSF-0085-HMW-123-1206	water	2006-12-11	10:12	2006-12-12
111622	HLSF-0085-TB-787-1206	water	2006-12-11	10:12	2006-12-12

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Ag, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Silver		<0.00200	mg/L	1	0.00200

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Ag, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Silver		<0.00200	mg/L	1	0.00200

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	32918	Date Analyzed:	2006-12-15	Analyzed By:	JG
Prep Batch:	28627	Sample Preparation:	2006-12-15	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**66.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**66.0**	mg/L as CaCo3	1	4.00

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Ammonia	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
QC Batch:	33017	Date Analyzed:	2006-12-21	Analyzed By:	SM
Prep Batch:	28703	Sample Preparation:	2006-12-21	Prepared By:	SM

Parameter	Flag	Result	RL Units	Dilution	RL
Ammonia-N		<1.00	mg/L	1	1.00

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	As, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Arsenic		<0.00500	mg/L	1	0.00500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	As, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Arsenic		<0.0100	mg/L	1	0.0100

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Ba, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Barium		**0.0100**	mg/L	1	0.0100

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Ba, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Barium		**0.0100**	mg/L	1	0.0100

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Bromide (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33182	Date Analyzed:	2006-12-27	Analyzed By:	WB
Prep Batch:	28842	Sample Preparation:	2006-12-27	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Bromide		<1.00	mg/L	5	0.200

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Cd, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Cadmium		<0.00100	mg/L	1	0.00100

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Cd, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Cadmium		<0.00100	mg/L	1	0.00100

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Conductivity	Analytical Method:	SM 2510B	Prep Method:	N/A
QC Batch:	32909	Date Analyzed:	2006-12-13	Analyzed By:	DR
Prep Batch:	28617	Sample Preparation:	2006-12-13	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
Specific Conductance		**11000**	µMHOS/cm	1	0.00

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Cr, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Chromium		<0.00500	mg/L	1	0.00500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Cr, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Chromium		<0.00500	mg/L	1	0.00500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Cu, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Copper		<0.0125	mg/L	1	0.0125

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Cu, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Copper		<0.00500	mg/L	1	0.00500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Hg, Total	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	32862	Date Analyzed:	2006-12-15	Analyzed By:	TS
Prep Batch:	28579	Sample Preparation:	2006-12-14	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Mercury		<0.000200	mg/L	1	0.000200

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33006	Date Analyzed:	2006-12-15	Analyzed By:	WB
Prep Batch:	28666	Sample Preparation:	2006-12-15	Prepared By:	WB
QC Batch:	33182	Date Analyzed:	2006-12-27	Analyzed By:	WB
Prep Batch:	28842	Sample Preparation:	2006-12-27	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**1430**	mg/L	50	0.500
Fluoride		**3.85**	mg/L	5	0.200
Sulfate		**5740**	mg/L	500	0.500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Na, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	33035	Date Analyzed:	2006-12-21	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Sodium		**1590**	mg/L	10	0.500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Na, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33125	Date Analyzed:	2006-12-27	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Sodium		**2070**	mg/L	1	0.500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Nitrate and Nitrite as N	Analytical Method:	E 353.3	Prep Method:	N/A
QC Batch:	33482	Date Analyzed:	2007-01-05	Analyzed By:	JS
Prep Batch:	29087	Sample Preparation:	2007-01-05	Prepared By:	JS

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		**46.8**	mg/L	200	0.100

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	NO2 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33182	Date Analyzed:	2006-12-27	Analyzed By:	WB
Prep Batch:	28842	Sample Preparation:	2006-12-27	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrite-N		<1.00	mg/L	5	0.200

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	33006	Date Analyzed:	2006-12-15	Analyzed By:	WB
Prep Batch:	28666	Sample Preparation:	2006-12-15	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**63.4**	mg/L	50	0.200

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	P, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Phosphorous		<0.0500	mg/L	1	0.0500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Pb, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Lead		<0.00500	mg/L	1	0.00500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Pb, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Lead		<0.00500	mg/L	1	0.00500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	pH	Analytical Method:	SM 4500-H+	Prep Method:	N/A
QC Batch:	32903	Date Analyzed:	2006-12-12	Analyzed By:	JG
Prep Batch:	28611	Sample Preparation:	2006-12-12	Prepared By:	JR

Parameter	Flag	Result	RL Units	Dilution	RL
pH		**7.53**	s.u.	1	0.00

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Se, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Selenium		**0.0580**	mg/L	1	0.0100

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Se, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Selenium		**0.0860**		mg/L	1	0.0100

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	33073	Date Analyzed:	2006-12-22	Analyzed By:	JG
Prep Batch:	28749	Sample Preparation:	2006-12-14	Prepared By:	JR

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**9990**		mg/L	1	5.00

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	32895	Date Analyzed:	2006-12-16	Analyzed By:	JG
Prep Batch:	28606	Sample Preparation:	2006-12-16	Prepared By:	JG

Parameter	Flag	Result	RL	Units	Dilution	RL
Bromochloromethane		<1.00		µg/L	1	1.00
Dichlorodifluoromethane		<1.00		µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00		µg/L	1	1.00
Vinyl Chloride		<1.00		µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00		µg/L	1	5.00
Chloroethane		<1.00		µg/L	1	1.00
Trichlorofluoromethane		<1.00		µg/L	1	1.00
Acetone		<10.0		µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00		µg/L	1	5.00
Carbon Disulfide		<1.00		µg/L	1	1.00
Acrylonitrile		<1.00		µg/L	1	1.00
2-Butanone (MEK)		<5.00		µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00		µg/L	1	5.00
2-Hexanone		<5.00		µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0		µg/L	1	10.0
1,1-Dichloroethene		<1.00		µg/L	1	1.00
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00

continued . . .

sample 111621 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Chloroform		**5.18**	µg/L	1	1.00
1,1,1-Trichloroethane		<1.00	µg/L	1	1.00
1,1-Dichloropropene		<1.00	µg/L	1	1.00
Benzene		<1.00	µg/L	1	1.00
Carbon Tetrachloride		<1.00	µg/L	1	1.00
1,2-Dichloropropane		<1.00	µg/L	1	1.00
Trichloroethene (TCE)		<1.00	µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00	µg/L	1	1.00
Bromodichloromethane		<1.00	µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00	µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00	µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00	µg/L	1	1.00
Toluene		<1.00	µg/L	1	1.00
1,1,2-Trichloroethane		<1.00	µg/L	1	1.00
1,3-Dichloropropane		<1.00	µg/L	1	1.00
Dibromochloromethane		<1.00	µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00	µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00	µg/L	1	1.00
Chlorobenzene		<1.00	µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00	µg/L	1	1.00
Ethylbenzene		<1.00	µg/L	1	1.00
m,p-Xylene		<1.00	µg/L	1	1.00
Bromoform		<1.00	µg/L	1	1.00
Styrene		<1.00	µg/L	1	1.00
o-Xylene		<1.00	µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00	µg/L	1	1.00
2-Chlorotoluene		<1.00	µg/L	1	1.00
1,2,3-Trichloropropane		<1.00	µg/L	1	1.00
Isopropylbenzene		<1.00	µg/L	1	1.00
Bromobenzene		<1.00	µg/L	1	1.00
n-Propylbenzene		<1.00	µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00	µg/L	1	1.00
tert-Butylbenzene		<1.00	µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00	µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00	µg/L	1	1.00
sec-Butylbenzene		<1.00	µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00	µg/L	1	1.00
p-Isopropyltoluene		<1.00	µg/L	1	1.00
4-Chlorotoluene		<1.00	µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00	µg/L	1	1.00
n-Butylbenzene		<1.00	µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00	µg/L	1	5.00
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		<5.00	µg/L	1	5.00
Tert-butyl Alcohol		<5.00	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		52.5	µg/L	1	50.0	105	82.4 - 115
Toluene-d8		50.9	µg/L	1	50.0	102	89.7 - 108
4-Bromofluorobenzene (4-BFB)		43.9	µg/L	1	50.0	88	84.6 - 114

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Zn, Dissolved	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	Sample Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Zinc		<0.00500	mg/L	1	0.00500

Sample: 111621 - HLSF-0085-HMW-123-1206

Analysis:	Zn, Total	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	Sample Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Zinc		<0.00500	mg/L	1	0.00500

Sample: 111622 - HLSF-0085-TB-787-1206

Analysis:	Volatiles WTS	Analytical Method:	S 8260B	Prep Method:	S 3510C
QC Batch:	33096	Date Analyzed:	2006-12-20	Analyzed By:	JG
Prep Batch:	28772	Sample Preparation:	2006-12-20	Prepared By:	JG

Parameter	Flag	RL Result	Units	Dilution	RL
Bromochloromethane		<1.00	µg/L	1	1.00
Dichlorodifluoromethane		<1.00	µg/L	1	1.00
Chloromethane (methyl chloride)		<1.00	µg/L	1	1.00
Vinyl Chloride		<1.00	µg/L	1	1.00
Bromomethane (methyl bromide)		<5.00	µg/L	1	5.00
Chloroethane		<1.00	µg/L	1	1.00
Trichlorofluoromethane		<1.00	µg/L	1	1.00
Acetone		<10.0	µg/L	1	10.0
Iodomethane (methyl iodide)		<5.00	µg/L	1	5.00
Carbon Disulfide		<1.00	µg/L	1	1.00
Acrylonitrile		<1.00	µg/L	1	1.00
2-Butanone (MEK)		<5.00	µg/L	1	5.00
4-Methyl-2-pentanone (MIBK)		<5.00	µg/L	1	5.00
2-Hexanone		<5.00	µg/L	1	5.00
trans 1,4-Dichloro-2-butene		<10.0	µg/L	1	10.0
1,1-Dichloroethene		<1.00	µg/L	1	1.00

continued . . .

sample 111622 continued ...

Parameter	Flag	Result	RL	Units	Dilution	RL
Methylene chloride		<5.00		µg/L	1	5.00
MTBE		<1.00		µg/L	1	1.00
trans-1,2-Dichloroethene		<1.00		µg/L	1	1.00
1,1-Dichloroethane		<1.00		µg/L	1	1.00
cis-1,2-Dichloroethene		<1.00		µg/L	1	1.00
2,2-Dichloropropane		<1.00		µg/L	1	1.00
1,2-Dichloroethane (EDC)		<1.00		µg/L	1	1.00
Chloroform		<1.00		µg/L	1	1.00
1,1,1-Trichloroethane		<1.00		µg/L	1	1.00
1,1-Dichloropropene		<1.00		µg/L	1	1.00
Benzene		<1.00		µg/L	1	1.00
Carbon Tetrachloride		<1.00		µg/L	1	1.00
1,2-Dichloropropane		<1.00		µg/L	1	1.00
Trichloroethene (TCE)		<1.00		µg/L	1	1.00
Dibromomethane (methylene bromide)		<1.00		µg/L	1	1.00
Bromodichloromethane		<1.00		µg/L	1	1.00
2-Chloroethyl vinyl ether		<5.00		µg/L	1	5.00
cis-1,3-Dichloropropene		<1.00		µg/L	1	1.00
trans-1,3-Dichloropropene		<1.00		µg/L	1	1.00
Toluene		<1.00		µg/L	1	1.00
1,1,2-Trichloroethane		<1.00		µg/L	1	1.00
1,3-Dichloropropane		<1.00		µg/L	1	1.00
Dibromochloromethane		<1.00		µg/L	1	1.00
1,2-Dibromoethane (EDB)		<1.00		µg/L	1	1.00
Tetrachloroethene (PCE)		<1.00		µg/L	1	1.00
Chlorobenzene		<1.00		µg/L	1	1.00
1,1,1,2-Tetrachloroethane		<1.00		µg/L	1	1.00
Ethylbenzene		<1.00		µg/L	1	1.00
m,p-Xylene		<1.00		µg/L	1	1.00
Bromoform		<1.00		µg/L	1	1.00
Styrene		<1.00		µg/L	1	1.00
o-Xylene		<1.00		µg/L	1	1.00
1,1,2,2-Tetrachloroethane		<1.00		µg/L	1	1.00
2-Chlorotoluene		<1.00		µg/L	1	1.00
1,2,3-Trichloropropane		<1.00		µg/L	1	1.00
Isopropylbenzene		<1.00		µg/L	1	1.00
Bromobenzene		<1.00		µg/L	1	1.00
n-Propylbenzene		<1.00		µg/L	1	1.00
1,3,5-Trimethylbenzene		<1.00		µg/L	1	1.00
tert-Butylbenzene		<1.00		µg/L	1	1.00
1,2,4-Trimethylbenzene		<1.00		µg/L	1	1.00
1,4-Dichlorobenzene (para)		<1.00		µg/L	1	1.00
sec-Butylbenzene		<1.00		µg/L	1	1.00
1,3-Dichlorobenzene (meta)		<1.00		µg/L	1	1.00
p-Isopropyltoluene		<1.00		µg/L	1	1.00
4-Chlorotoluene		<1.00		µg/L	1	1.00
1,2-Dichlorobenzene (ortho)		<1.00		µg/L	1	1.00
n-Butylbenzene		<1.00		µg/L	1	1.00
1,2-Dibromo-3-chloropropane		<5.00		µg/L	1	5.00

continued ...

sample 111622 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
1,2,3-Trichlorobenzene		<5.00	µg/L	1	5.00
1,2,4-Trichlorobenzene		<5.00	µg/L	1	5.00
Naphthalene		<5.00	µg/L	1	5.00
Hexachlorobutadiene		<5.00	µg/L	1	5.00
Isopropyl Alcohol		**189**	µg/L	1	5.00
Tert-butyl Alcohol		**14.2**	µg/L	1	5.00
1,4-Dioxane		<5.00	µg/L	1	5.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		50.4	µg/L	1	50.0	101	82.4 - 115
Toluene-d8		49.4	µg/L	1	50.0	99	89.7 - 108
4-Bromofluorobenzene (4-BFB)		46.5	µg/L	1	50.0	93	84.6 - 114

Method Blank (1) QC Batch: 32862

QC Batch: 32862 | Date Analyzed: 2006-12-15 | Analyzed By: TS
Prep Batch: 28579 | QC Preparation: 2006-12-15 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Mercury		<0.0000217	mg/L	0.0002

Method Blank (1) QC Batch: 32895

QC Batch: 32895 | Date Analyzed: 2006-12-16 | Analyzed By: JG
Prep Batch: 28606 | QC Preparation: 2006-12-16 | Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		<0.854	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		1.19	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.390	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Naphthalene		<0.417	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51.8	µg/L	1	50.0	104	82.4 - 115
Toluene-d8		52.1	µg/L	1	50.0	104	89.7 - 108
4-Bromofluorobenzene (4-BFB)		45.6	µg/L	1	50.0	91	84.6 - 114

Method Blank (1) QC Batch: 32909

QC Batch: 32909 Date Analyzed: 2006-12-13 Analyzed By: DR
Prep Batch: 28617 QC Preparation: 2006-12-13 Prepared By: DR

Parameter	Flag	MDL Result	Units	RL
Specific Conductance		0.00	µMHOS/cm	

Method Blank (1) QC Batch: 32918

QC Batch: 32918 Date Analyzed: 2006-12-15 Analyzed By: JG
Prep Batch: 28627 QC Preparation: 2006-12-15 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<2.38	mg/L as CaCo3	4

Method Blank (1) QC Batch: 32994

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Silver		<0.000199	mg/L	0.002

Method Blank (1) QC Batch: 32994

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Arsenic		<0.00360	mg/L	0.005

Method Blank (1) QC Batch: 32994

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Barium		<0.000450	mg/L	0.01

Method Blank (1) QC Batch: 32994

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Cadmium		<0.000577	mg/L	0.001

Method Blank (1) QC Batch: 32994

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Chromium		<0.00357	mg/L	0.005

Method Blank (1) QC Batch: 32994

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Copper		<0.00127	mg/L	0.0125

Method Blank (1) QC Batch: 32994

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Lead		<0.00398	mg/L	0.005

Method Blank (1) QC Batch: 32994

QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	QC Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Selenium		<0.00556	mg/L	0.01

Method Blank (1) QC Batch: 32994

QC Batch:	32994	Date Analyzed:	2006-12-20	Analyzed By:	RR
Prep Batch:	28613	QC Preparation:	2006-12-18	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Zinc		<0.00300	mg/L	0.005

Method Blank (1) QC Batch: 33006

QC Batch:	33006	Date Analyzed:	2006-12-15	Analyzed By:	WB
Prep Batch:	28666	QC Preparation:	2006-12-15	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0106	mg/L	0.2

Method Blank (1) QC Batch: 33006

QC Batch:	33006	Date Analyzed:	2006-12-15	Analyzed By:	WB
Prep Batch:	28666	QC Preparation:	2006-12-15	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0181	mg/L	0.5
Sulfate		<0.0485	mg/L	0.5

Method Blank (1) QC Batch: 33017

QC Batch:	33017	Date Analyzed:	2006-12-21	Analyzed By:	SM
Prep Batch:	28703	QC Preparation:	2006-12-21	Prepared By:	SM

Parameter	Flag	MDL Result	Units	RL
Ammonia-N		<0.820	mg/L	1

Method Blank (1) QC Batch: 33035

QC Batch: 33035 Date Analyzed: 2006-12-21 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Dissolved Sodium		<0.0309	mg/L	0.5

Method Blank (1) QC Batch: 33073

QC Batch: 33073 Date Analyzed: 2006-12-22 Analyzed By: JG
Prep Batch: 28749 QC Preparation: 2006-12-14 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 33096

QC Batch: 33096 Date Analyzed: 2006-12-20 Analyzed By: JG
Prep Batch: 28772 QC Preparation: 2006-12-20 Prepared By: JG

Parameter	Flag	MDL Result	Units	RL
Bromochloromethane		<0.0699	µg/L	1
Dichlorodifluoromethane		<0.0598	µg/L	1
Chloromethane (methyl chloride)		<0.230	µg/L	1
Vinyl Chloride		<0.0902	µg/L	1
Bromomethane (methyl bromide)		<0.740	µg/L	5
Chloroethane		<0.195	µg/L	1
Trichlorofluoromethane		<0.160	µg/L	1
Acetone		<0.854	µg/L	10
Iodomethane (methyl iodide)		<0.112	µg/L	5
Carbon Disulfide		<0.0764	µg/L	1
Acrylonitrile		<0.184	µg/L	1
2-Butanone (MEK)		<0.394	µg/L	5
4-Methyl-2-pentanone (MIBK)		<0.484	µg/L	5
2-Hexanone		<0.0975	µg/L	5
trans 1,4-Dichloro-2-butene		<0.420	µg/L	10
1,1-Dichloroethene		<0.0736	µg/L	1
Methylene chloride		1.55	µg/L	5
MTBE		<0.0504	µg/L	1
trans-1,2-Dichloroethene		<0.0598	µg/L	1
1,1-Dichloroethane		<0.0299	µg/L	1

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
cis-1,2-Dichloroethene		<0.101	µg/L	1
2,2-Dichloropropane		<0.0665	µg/L	1
1,2-Dichloroethane (EDC)		<0.0557	µg/L	1
Chloroform		<0.0475	µg/L	1
1,1,1-Trichloroethane		<0.0846	µg/L	1
1,1-Dichloropropene		<0.0423	µg/L	1
Benzene		<0.0495	µg/L	1
Carbon Tetrachloride		<0.121	µg/L	1
1,2-Dichloropropane		<0.0933	µg/L	1
Trichloroethene (TCE)		<0.0495	µg/L	1
Dibromomethane (methylene bromide)		<0.0640	µg/L	1
Bromodichloromethane		<0.0651	µg/L	1
2-Chloroethyl vinyl ether		<0.0905	µg/L	5
cis-1,3-Dichloropropene		<0.0640	µg/L	1
trans-1,3-Dichloropropene		<0.0504	µg/L	1
Toluene		0.610	µg/L	1
1,1,2-Trichloroethane		<0.106	µg/L	1
1,3-Dichloropropane		<0.0625	µg/L	1
Dibromochloromethane		<0.0791	µg/L	1
1,2-Dibromoethane (EDB)		<0.0460	µg/L	1
Tetrachloroethene (PCE)		<0.0696	µg/L	1
Chlorobenzene		<0.0217	µg/L	1
1,1,1,2-Tetrachloroethane		<0.125	µg/L	1
Ethylbenzene		<0.0566	µg/L	1
m,p-Xylene		<0.0363	µg/L	1
Bromoform		<0.0859	µg/L	1
Styrene		<0.0394	µg/L	1
o-Xylene		<0.0505	µg/L	1
1,1,2,2-Tetrachloroethane		<0.0672	µg/L	1
2-Chlorotoluene		<0.0283	µg/L	1
1,2,3-Trichloropropane		<0.0679	µg/L	1
Isopropylbenzene		<0.0406	µg/L	1
Bromobenzene		<0.103	µg/L	1
n-Propylbenzene		<0.0423	µg/L	1
1,3,5-Trimethylbenzene		<0.0557	µg/L	1
tert-Butylbenzene		<0.0770	µg/L	1
1,2,4-Trimethylbenzene		<0.0336	µg/L	1
1,4-Dichlorobenzene (para)		<0.0672	µg/L	1
sec-Butylbenzene		<0.0439	µg/L	1
1,3-Dichlorobenzene (meta)		<0.0672	µg/L	1
p-Isopropyltoluene		<0.0513	µg/L	1
4-Chlorotoluene		<0.0460	µg/L	1
1,2-Dichlorobenzene (ortho)		<0.0629	µg/L	1
n-Butylbenzene		<0.0400	µg/L	1
1,2-Dibromo-3-chloropropane		<0.538	µg/L	5
1,2,3-Trichlorobenzene		<0.504	µg/L	5
1,2,4-Trichlorobenzene		<0.166	µg/L	5
Naphthalene		<0.417	µg/L	5
Hexachlorobutadiene		<0.176	µg/L	5
Isopropyl Alcohol		<5.00	µg/L	5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Tert-butyl Alcohol		<5.00	µg/L	5
1,4-Dioxane		<5.00	µg/L	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		49.5	µg/L	1	50.0	99	82.4 - 115
Toluene-d8		49.1	µg/L	1	50.0	98	89.7 - 108
4-Bromofluorobenzene (4-BFB)		47.2	µg/L	1	50.0	94	84.6 - 114

Method Blank (1) QC Batch: 33098

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Silver		<0.000274	mg/L	0.002

Method Blank (1) QC Batch: 33098

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Arsenic		<0.00489	mg/L	0.01

Method Blank (1) QC Batch: 33098

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Barium		<0.000450	mg/L	0.01

Method Blank (1) QC Batch: 33098

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Cadmium		<0.000268	mg/L	0.001

Method Blank (1) QC Batch: 33098

QC Batch: 33098 | Date Analyzed: 2006-12-26 | Analyzed By: RR
Prep Batch: 28574 | QC Preparation: 2006-12-15 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Chromium		<0.00357	mg/L	0.005

Method Blank (1) QC Batch: 33098

QC Batch: 33098 | Date Analyzed: 2006-12-26 | Analyzed By: RR
Prep Batch: 28574 | QC Preparation: 2006-12-15 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Copper		<0.00127	mg/L	0.005

Method Blank (1) QC Batch: 33098

QC Batch: 33098 | Date Analyzed: 2006-12-26 | Analyzed By: RR
Prep Batch: 28574 | QC Preparation: 2006-12-15 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Phosphorous		<0.0229	mg/L	0.05

Method Blank (1) QC Batch: 33098

QC Batch: 33098 | Date Analyzed: 2006-12-26 | Analyzed By: RR
Prep Batch: 28574 | QC Preparation: 2006-12-15 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Lead		<0.00310	mg/L	0.005

Method Blank (1) QC Batch: 33098

QC Batch: 33098 | Date Analyzed: 2006-12-26 | Analyzed By: RR
Prep Batch: 28574 | QC Preparation: 2006-12-15 | Prepared By: TS

Parameter	Flag	MDL Result	Units	RL
Total Selenium		<0.00556	mg/L	0.01

Method Blank (1) QC Batch: 33098

QC Batch:	33098	Date Analyzed:	2006-12-26	Analyzed By:	RR
Prep Batch:	28574	QC Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Zinc		<0.000666	mg/L	0.005

Method Blank (1) QC Batch: 33125

QC Batch:	33125	Date Analyzed:	2006-12-27	Analyzed By:	RR
Prep Batch:	28574	QC Preparation:	2006-12-15	Prepared By:	TS

Parameter	Flag	MDL Result	Units	RL
Total Sodium		<0.0309	mg/L	0.5

Method Blank (1) QC Batch: 33182

QC Batch:	33182	Date Analyzed:	2006-12-27	Analyzed By:	WB
Prep Batch:	28842	QC Preparation:	2006-12-27	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Bromide		<0.0429	mg/L	0.2

Method Blank (1) QC Batch: 33182

QC Batch:	33182	Date Analyzed:	2006-12-27	Analyzed By:	WB
Prep Batch:	28842	QC Preparation:	2006-12-27	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Nitrite-N		<0.0128	mg/L	0.2

Method Blank (1) QC Batch: 33182

QC Batch:	33182	Date Analyzed:	2006-12-27	Analyzed By:	WB
Prep Batch:	28842	QC Preparation:	2006-12-27	Prepared By:	WB

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0119	mg/L	0.2

Method Blank (1) QC Batch: 33482

QC Batch: 33482 Date Analyzed: 2007-01-05 Analyzed By: JS
Prep Batch: 29087 QC Preparation: 2007-01-05 Prepared By: JS

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.0223	mg/L	0.1

Duplicates (1)

QC Batch: 32903 Date Analyzed: 2006-12-12 Analyzed By: JG
Prep Batch: 28611 QC Preparation: 2006-12-12 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
pH	7.47	7.48	s.u.	1	0	20

Duplicates (1)

QC Batch: 32909 Date Analyzed: 2006-12-13 Analyzed By: DR
Prep Batch: 28617 QC Preparation: 2006-12-13 Prepared By: DR

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Specific Conductance	15800	15800	µMHOS/cm	1	0	6.7

Duplicates (1)

QC Batch: 33073 Date Analyzed: 2006-12-22 Analyzed By: JG
Prep Batch: 28749 QC Preparation: 2006-12-14 Prepared By: JG

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	14400	14500	mg/L	1	1	20

Laboratory Control Spike (LCS-1)

QC Batch: 32862 Date Analyzed: 2006-12-15 Analyzed By: TS
Prep Batch: 28579 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000950	mg/L	1	0.00100	<0.0000217	95	89.4 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000960	mg/L	1	0.00100	<0.0000217	96	89.4 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32895 | Date Analyzed: 2006-12-16 | Analyzed By: JG
Prep Batch: 28606 | QC Preparation: 2006-12-16 | Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.0	µg/L	1	50.0	<0.0736	100	83.4 - 114
Benzene	52.4	µg/L	1	50.0	<0.0495	105	83.5 - 115
Trichloroethene (TCE)	51.4	µg/L	1	50.0	<0.0495	103	91.3 - 111
Toluene	48.3	µg/L	1	50.0	<0.0736	97	82 - 110
Chlorobenzene	50.5	µg/L	1	50.0	<0.0217	101	87.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	49.6	µg/L	1	50.0	<0.0736	99	83.4 - 114	1	20
Benzene	52.8	µg/L	1	50.0	<0.0495	106	83.5 - 115	1	20
Trichloroethene (TCE)	52.9	µg/L	1	50.0	<0.0495	106	91.3 - 111	3	20
Toluene	48.6	µg/L	1	50.0	<0.0736	97	82 - 110	1	20
Chlorobenzene	51.5	µg/L	1	50.0	<0.0217	103	87.9 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	51.6	50.7	µg/L	1	50.0	103	101	82.4 - 115
Toluene-d8	50.6	50.7	µg/L	1	50.0	101	101	89.7 - 108
4-Bromofluorobenzene (4-BFB)	48.9	48.7	µg/L	1	50.0	98	97	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.127	mg/L	1	0.125	<0.000199	102	86.2 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.124	mg/L	1	0.125	<0.000199	99	86.2 - 116	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Arsenic	0.464	mg/L	1	0.500	<0.00360	93	78.7 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Arsenic	0.467	mg/L	1	0.500	<0.00360	93	78.7 - 116	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Barium	0.957	mg/L	1	1.00	<0.000450	96	85 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Barium	0.942	mg/L	1	1.00	<0.000450	94	85 - 114	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cadmium	0.240	mg/L	1	0.250	<0.000577	96	83.3 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Cadmium	0.236	mg/L	1	0.250	<0.000577	94	83.3 - 113	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Chromium	0.0980	mg/L	1	0.100	<0.00357	98	83 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Chromium	0.0980	mg/L	1	0.100	<0.00357	98	83 - 112	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Copper	0.126	mg/L	1	0.125	<0.00127	101	84.3 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Copper	0.123	mg/L	1	0.125	<0.00127	98	84.3 - 114	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Lead	0.503	mg/L	1	0.500	<0.00398	101	81.1 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Lead	0.479	mg/L	1	0.500	<0.00398	96	81.1 - 111	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Selenium	0.422	mg/L	1	0.500	<0.00556	84	69.6 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Selenium	0.423	mg/L	1	0.500	<0.00556	85	69.6 - 111	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Zinc	0.225	mg/L	1	0.250	<0.00300	90	84.7 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Zinc	0.223	mg/L	1	0.250	<0.00300	89	84.7 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33006 Date Analyzed: 2006-12-15 Analyzed By: WB
Prep Batch: 28666 QC Preparation: 2006-12-15 Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	2.67	mg/L	1	2.50	<0.0106	107	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	2.72	mg/L	1	2.50	<0.0106	109	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33006 Date Analyzed: 2006-12-15 Analyzed By: WB
Prep Batch: 28666 QC Preparation: 2006-12-15 Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.3	mg/L	1	12.5	<0.0181	98	90 - 110
Sulfate	13.1	mg/L	1	12.5	<0.0485	105	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	13.1	mg/L	1	12.5	<0.0181	105	90 - 110	6	20
Sulfate	13.4	mg/L	1	12.5	<0.0485	107	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33017 Date Analyzed: 2006-12-21 Analyzed By: SM
Prep Batch: 28703 QC Preparation: 2006-12-21 Prepared By: SM

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	4.42	mg/L	1	5.00	<0.820	88	66 - 122

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	4.31	mg/L	1	5.00	<0.820	86	66 - 122	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33035 Date Analyzed: 2006-12-21 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium	47.0	mg/L	1	50.0	<0.0309	94	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Sodium	48.4	mg/L	1	50.0	<0.0309	97	85 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33096 Date Analyzed: 2006-12-20 Analyzed By: JG
Prep Batch: 28772 QC Preparation: 2006-12-20 Prepared By: JG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	49.6	µg/L	1	50.0	<0.0736	99	83.4 - 114
Benzene	51.2	µg/L	1	50.0	<0.0495	102	83.5 - 115

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Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Trichloroethene (TCE)	51.0	µg/L	1	50.0	<0.0495	102	91.3 - 111
Toluene	46.7	µg/L	1	50.0	<0.0736	93	82 - 110
Chlorobenzene	49.2	µg/L	1	50.0	<0.0217	98	87.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	50.3	µg/L	1	50.0	<0.0736	101	83.4 - 114	1	20
Benzene	51.2	µg/L	1	50.0	<0.0495	102	83.5 - 115	0	20
Trichloroethene (TCE)	51.4	µg/L	1	50.0	<0.0495	103	91.3 - 111	1	20
Toluene	47.0	µg/L	1	50.0	<0.0736	94	82 - 110	1	20
Chlorobenzene	49.5	µg/L	1	50.0	<0.0217	99	87.9 - 109	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Dibromofluoromethane	48.3	48.5	µg/L	1	50.0	97	97	82.4 - 115
Toluene-d8	47.4	47.8	µg/L	1	50.0	95	96	89.7 - 108
4-Bromofluorobenzene (4-BFB)	47.6	47.5	µg/L	1	50.0	95	95	84.6 - 114

Laboratory Control Spike (LCS-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.120	mg/L	1	0.125	<0.000274	96	87.9 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.119	mg/L	1	0.125	<0.000274	95	87.9 - 111	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.463	mg/L	1	0.500	<0.00489	93	86.8 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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control spikes continued . . .

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.459	mg/L	1	0.500	<0.00489	92	86.8 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.994	mg/L	1	1.00	<0.000450	99	88.8 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.992	mg/L	1	1.00	<0.000450	99	88.8 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.238	mg/L	1	0.250	<0.000268	95	86.8 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.238	mg/L	1	0.250	<0.000268	95	86.8 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.103	mg/L	1	0.100	<0.00357	103	86.5 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.102	mg/L	1	0.100	<0.00357	102	86.5 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.126	mg/L	1	0.125	<0.00127	101	83.4 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.125	mg/L	1	0.125	<0.00127	100	83.4 - 117	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	0.498	mg/L	1	0.500	<0.0229	100	87.3 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous	0.464	mg/L	1	0.500	<0.0229	93	87.3 - 114	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.499	mg/L	1	0.500	<0.00310	100	83 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.514	mg/L	1	0.500	<0.00310	103	83 - 109	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33098 | Date Analyzed: 2006-12-26 | Analyzed By: RR
Prep Batch: 28574 | QC Preparation: 2006-12-15 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.421	mg/L	1	0.500	<0.00556	84	75 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.430	mg/L	1	0.500	<0.00556	86	75 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33098 | Date Analyzed: 2006-12-26 | Analyzed By: RR
Prep Batch: 28574 | QC Preparation: 2006-12-15 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.231	mg/L	1	0.250	<0.000666	92	82.9 - 109

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.227	mg/L	1	0.250	<0.000666	91	82.9 - 109	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33125 | Date Analyzed: 2006-12-27 | Analyzed By: RR
Prep Batch: 28574 | QC Preparation: 2006-12-15 | Prepared By: TS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	56.6	mg/L	1	50.0	<0.0309	113	87.1 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	57.1	mg/L	1	50.0	<0.0309	114	87.1 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33182 | Date Analyzed: 2006-12-27 | Analyzed By: WB
Prep Batch: 28842 | QC Preparation: 2006-12-27 | Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	2.56	mg/L	1	2.50	<0.0429	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	2.56	mg/L	1	2.50	<0.0429	102	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33182 Date Analyzed: 2006-12-27 Analyzed By: WB
Prep Batch: 28842 QC Preparation: 2006-12-27 Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	2.46	mg/L	1	2.50	<0.0128	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	2.54	mg/L	1	2.50	<0.0128	102	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33182 Date Analyzed: 2006-12-27 Analyzed By: WB
Prep Batch: 28842 QC Preparation: 2006-12-27 Prepared By: WB

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.45	mg/L	1	2.50	<0.0119	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.52	mg/L	1	2.50	<0.0119	101	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 33482 Date Analyzed: 2007-01-05 Analyzed By: JS
Prep Batch: 29087 QC Preparation: 2007-01-05 Prepared By: JS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	0.148	mg/L	1	0.160	<0.0223	92	82.2 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	0.161	mg/L	1	0.160	<0.0223	101	82.2 - 115	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111036

QC Batch: 32862 Date Analyzed: 2006-12-15 Analyzed By: TS
Prep Batch: 28579 QC Preparation: 2006-12-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Mercury	0.000960	mg/L	1	0.00100	5e-05	91	49.1 - 137

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Mercury	0.000660	mg/L	1	0.00100	5e-05	61	49.1 - 137	37	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111685

QC Batch: 32895 Date Analyzed: 2006-12-16 Analyzed By: JG
Prep Batch: 28606 QC Preparation: 2006-12-16 Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	50.3	µg/L	1	50.0	<0.0736	101	78.7 - 119
Benzene	51.5	µg/L	1	50.0	<0.0495	103	75.8 - 125
Trichloroethene (TCE)	49.8	µg/L	1	50.0	<0.0495	100	83.6 - 112
Toluene	46.2	µg/L	1	50.0	<0.0736	92	81.6 - 115
Chlorobenzene	48.4	µg/L	1	50.0	<0.0217	97	83.9 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	50.9	µg/L	1	50.0	<0.0736	102	78.7 - 119	1	20
Benzene	52.6	µg/L	1	50.0	<0.0495	105	75.8 - 125	2	20
Trichloroethene (TCE)	51.1	µg/L	1	50.0	<0.0495	102	83.6 - 112	3	20
Toluene	47.0	µg/L	1	50.0	<0.0736	94	81.6 - 115	2	20
Chlorobenzene	50.3	µg/L	1	50.0	<0.0217	101	83.9 - 113	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	52.5	50.2	µg/L	1	50	105	100	86.6 - 114
Toluene-d8	49.9	49.0	µg/L	1	50	100	98	91 - 109
4-Bromofluorobenzene (4-BFB)	46.4	45.4	µg/L	1	50	93	91	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Silver	0.115	mg/L	1	0.125	<0.000199	92	90.1 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Silver	0.116	mg/L	1	0.125	<0.000199	93	90.1 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Arsenic	0.470	mg/L	1	0.500	<0.00360	94	75 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Arsenic	0.439	mg/L	1	0.500	<0.00360	88	75 - 114	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Barium	0.810	mg/L	1	1.00	0.01	80	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Barium	0.820	mg/L	1	1.00	0.01	81	75 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 32994 | Date Analyzed: 2006-12-20 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Cadmium	0.195	mg/L	1	0.250	<0.000577	78	75 - 112

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Cadmium	0.192	mg/L	1	0.250	<0.000577	77	75 - 112	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 32994
Prep Batch: 28613
Date Analyzed: 2006-12-20
QC Preparation: 2006-12-18
Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Chromium	0.0820	mg/L	1	0.100	<0.00357	82	75 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Chromium	0.0870	mg/L	1	0.100	<0.00357	87	75 - 121	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 32994
Prep Batch: 28613
Date Analyzed: 2006-12-20
QC Preparation: 2006-12-18
Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Copper	0.118	mg/L	1	0.125	0.003	92	81.5 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Copper	0.117	mg/L	1	0.125	0.003	91	81.5 - 125	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 32994
Prep Batch: 28613
Date Analyzed: 2006-12-20
QC Preparation: 2006-12-18
Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Lead	0.495	mg/L	1	0.500	<0.00398	99	75 - 111

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Lead	0.486	mg/L	1	0.500	<0.00398	97	75 - 111	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Selenium	0.440	mg/L	1	0.500	<0.00556	88	75 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Selenium	0.458	mg/L	1	0.500	<0.00556	92	75 - 118	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR
Prep Batch: 28613 QC Preparation: 2006-12-18 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Zinc	0.236	mg/L	1	0.250	<0.00300	94	80.4 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Zinc	0.227	mg/L	1	0.250	<0.00300	91	80.4 - 120	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111623

QC Batch: 33006 Date Analyzed: 2006-12-15 Analyzed By: WB
Prep Batch: 28666 QC Preparation: 2006-12-15 Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N	13700	mg/L	500	12500	110	109	85.7 - 123

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N	13900	mg/L	500	12500	110	110	85.7 - 123	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111623

QC Batch: 33006 | Date Analyzed: 2006-12-15 | Analyzed By: WB
Prep Batch: 28666 | QC Preparation: 2006-12-15 | Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	68600	mg/L	5000	62500	4650	102	10 - 6384
Sulfate	72400	mg/L	5000	62500	9630	100	86.2 - 117

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	69300	mg/L	5000	62500	4650	103	10 - 6384	1	20
Sulfate	74100	mg/L	5000	62500	9630	103	86.2 - 117	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111619

QC Batch: 33017 | Date Analyzed: 2006-12-21 | Analyzed By: SM
Prep Batch: 28703 | QC Preparation: 2006-12-21 | Prepared By: SM

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Ammonia-N	3.98	mg/L	1	5.00	<0.820	80	58 - 134

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ammonia-N	3.53	mg/L	1	5.00	<0.820	71	58 - 134	12	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33035 | Date Analyzed: 2006-12-21 | Analyzed By: RR
Prep Batch: 28613 | QC Preparation: 2006-12-18 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Dissolved Sodium	2040	mg/L	1	50.0	2000	80	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Dissolved Sodium	2040	mg/L	1	50.0	2000	80	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111624

QC Batch: 33096 | Date Analyzed: 2006-12-20 | Analyzed By: JG
Prep Batch: 28772 | QC Preparation: 2006-12-20 | Prepared By: JG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
1,1-Dichloroethene	48.5	µg/L	1	50.0	<0.0736	97	78.7 - 119
Benzene	49.7	µg/L	1	50.0	<0.0495	99	75.8 - 125
Trichloroethene (TCE)	49.8	µg/L	1	50.0	<0.0495	100	83.6 - 112
Toluene	45.8	µg/L	1	50.0	<0.0736	92	81.6 - 115
Chlorobenzene	47.7	µg/L	1	50.0	<0.0217	95	83.9 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
1,1-Dichloroethene	[1]	n/a	µg/L	1	50.0	<0.0736	0	78.7 - 119	200	20
Benzene	[2]	n/a	µg/L	1	50.0	<0.0495	0	75.8 - 125	200	20
Trichloroethene (TCE)	[3]	n/a	µg/L	1	50.0	<0.0495	0	83.6 - 112	200	20
Toluene	[4]	n/a	µg/L	1	50.0	<0.0736	0	81.6 - 115	200	20
Chlorobenzene	[5]	n/a	µg/L	1	50.0	<0.0217	0	83.9 - 113	200	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate		MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Dibromofluoromethane	[6]	48.7	n/a	µg/L	1	50	97	0	86.6 - 114
Toluene-d8	[7]	48.1	n/a	µg/L	1	50	96	0	91 - 109
4-Bromofluorobenzene (4-BFB)	[8]	48.4	n/a	µg/L	1	50	97	0	87.2 - 113

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098 | Date Analyzed: 2006-12-26 | Analyzed By: RR
Prep Batch: 28574 | QC Preparation: 2006-12-15 | Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Silver	0.119	mg/L	1	0.125	<0.000274	95	88.2 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Silver	0.116	mg/L	1	0.125	<0.000274	93	88.2 - 114	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[1] RPD is out of range because a matrix spike duplicate was not prepared.
[2] RPD is out of range because a matrix spike duplicate was not prepared.
[3] RPD is out of range because a matrix spike duplicate was not prepared.
[4] RPD is out of range because a matrix spike duplicate was not prepared.
[5] RPD is out of range because a matrix spike duplicate was not prepared.
[6] RPD is out of range because a matrix spike duplicate was not prepared.
[7] RPD is out of range because a matrix spike duplicate was not prepared.
[8] RPD is out of range because a matrix spike duplicate was not prepared.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098
Prep Batch: 28574
Date Analyzed: 2006-12-26
QC Preparation: 2006-12-15
Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Arsenic	0.478	mg/L	1	0.500	<0.00489	96	75.9 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Arsenic	0.498	mg/L	1	0.500	<0.00489	100	75.9 - 116	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098
Prep Batch: 28574
Date Analyzed: 2006-12-26
QC Preparation: 2006-12-15
Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Barium	0.827	mg/L	1	1.00	0.01	82	64.9 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Barium	0.858	mg/L	1	1.00	0.01	85	64.9 - 129	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098
Prep Batch: 28574
Date Analyzed: 2006-12-26
QC Preparation: 2006-12-15
Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Cadmium	0.197	mg/L	1	0.250	<0.000268	79	66.5 - 121

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Cadmium	0.211	mg/L	1	0.250	<0.000268	84	66.5 - 121	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098
Prep Batch: 28574
Date Analyzed: 2006-12-26
QC Preparation: 2006-12-15
Analyzed By: RR
Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Chromium	0.0860	mg/L	1	0.100	<0.00357	86	69.2 - 129

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Chromium	0.0910	mg/L	1	0.100	<0.00357	91	69.2 - 129	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Copper	0.118	mg/L	1	0.125	<0.00127	94	83.8 - 118

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Copper	0.120	mg/L	1	0.125	<0.00127	96	83.8 - 118	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous	0.469	mg/L	1	0.500	0.028	88	70.1 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous	0.484	mg/L	1	0.500	0.028	91	70.1 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Lead	0.461	mg/L	1	0.500	<0.00310	92	71.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Lead	0.489	mg/L	1	0.500	<0.00310	98	71.9 - 115	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Selenium	0.501	mg/L	1	0.500	<0.00556	100	66.8 - 116

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Selenium	0.530	mg/L	1	0.500	<0.00556	106	66.8 - 116	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Zinc	0.228	mg/L	1	0.250	<0.000666	91	75.5 - 113

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Zinc	0.225	mg/L	1	0.250	<0.000666	90	75.5 - 113	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111614

QC Batch: 33125 Date Analyzed: 2006-12-27 Analyzed By: RR
Prep Batch: 28574 QC Preparation: 2006-12-15 Prepared By: TS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Sodium	2150	mg/L	1	50.0	2100	100	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Sodium	2150	mg/L	1	50.0	2100	100	75 - 125	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 112625

QC Batch: 33182
Prep Batch: 28842
Date Analyzed: 2006-12-27
QC Preparation: 2006-12-27
Analyzed By: WB
Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Bromide	130	mg/L	50	125	<2.14	104	95.4 - 114

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Bromide	129	mg/L	50	125	<2.14	103	95.4 - 114	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 112625

QC Batch: 33182
Prep Batch: 28842
Date Analyzed: 2006-12-27
QC Preparation: 2006-12-27
Analyzed By: WB
Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrite-N	137	mg/L	50	125	<0.640	110	58.3 - 151

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrite-N	129	mg/L	50	125	<0.640	103	58.3 - 151	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 112625

QC Batch: 33182
Prep Batch: 28842
Date Analyzed: 2006-12-27
QC Preparation: 2006-12-27
Analyzed By: WB
Prepared By: WB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	121	mg/L	50	125	8	90	73.4 - 119

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	126	mg/L	50	125	8	94	73.4 - 119	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 111621

QC Batch: 33482
Prep Batch: 29087
Date Analyzed: 2007-01-05
QC Preparation: 2007-01-05
Analyzed By: JS
Prepared By: JS

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	[9]	44.6	mg/L	200	32.0	46.8	-5	25.4 - 158

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	[10]	42.8	mg/L	200	32.0	46.8	-12	25.4 - 158	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 32862 Date Analyzed: 2006-12-15 Analyzed By: TS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2006-12-15

Standard (CCV-2)

QC Batch: 32862 Date Analyzed: 2006-12-15 Analyzed By: TS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00102	102	80 - 120	2006-12-15

Standard (CCV-1)

QC Batch: 32895 Date Analyzed: 2006-12-16 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	54.8	110	80 - 120	2006-12-16
1,1-Dichloroethene		µg/L	50.0	50.7	101	80 - 120	2006-12-16
Chloroform		µg/L	50.0	49.4	99	80 - 120	2006-12-16
1,2-Dichloropropane		µg/L	50.0	51.3	103	80 - 120	2006-12-16
Toluene		µg/L	50.0	47.9	96	80 - 120	2006-12-16
Chlorobenzene		µg/L	50.0	51.9	104	80 - 120	2006-12-16
Ethylbenzene		µg/L	50.0	53.9	108	80 - 120	2006-12-16

Standard (CCV-2)

QC Batch: 32895 Date Analyzed: 2006-12-16 Analyzed By: JG

[9]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[10]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	57.1	114	80 - 120	2006-12-16
1,1-Dichloroethene		µg/L	50.0	51.1	102	80 - 120	2006-12-16
Chloroform		µg/L	50.0	50.8	102	80 - 120	2006-12-16
1,2-Dichloropropane		µg/L	50.0	51.8	104	80 - 120	2006-12-16
Toluene		µg/L	50.0	48.8	98	80 - 120	2006-12-16
Chlorobenzene		µg/L	50.0	51.8	104	80 - 120	2006-12-16
Ethylbenzene		µg/L	50.0	53.8	108	80 - 120	2006-12-16

Standard (ICV-1)

QC Batch: 32903 Date Analyzed: 2006-12-12 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.94	99	98.8 - 101	2006-12-12

Standard (CCV-1)

QC Batch: 32903 Date Analyzed: 2006-12-12 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
pH		s.u.	7.00	6.97	100	98.8 - 101	2006-12-12

Standard (ICV-1)

QC Batch: 32909 Date Analyzed: 2006-12-13 Analyzed By: DR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1410	100	96.7 - 108	2006-12-13

Standard (CCV-1)

QC Batch: 32909 Date Analyzed: 2006-12-13 Analyzed By: DR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Specific Conductance		µMHOS/cm	1410	1420	100	96.7 - 108	2006-12-13

Standard (ICV-1)

QC Batch: 32918 Date Analyzed: 2006-12-15 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2006-12-15
Carbonate Alkalinity		mg/L as CaCo3	0.00	240		0 - 105	2006-12-15
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	10.0		0 - 105	2006-12-15
Total Alkalinity		mg/L as CaCo3	250	250	100	93.7 - 99.9	2006-12-15

Standard (CCV-1)

QC Batch: 32918 Date Analyzed: 2006-12-15 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		mg/L as CaCo3	0.00	<1.00		0 - 105	2006-12-15
Carbonate Alkalinity		mg/L as CaCo3	0.00	228		0 - 105	2006-12-15
Bicarbonate Alkalinity		mg/L as CaCo3	0.00	20.0		0 - 105	2006-12-15
Total Alkalinity		mg/L as CaCo3	250	248	99	93.7 - 99.9	2006-12-15

Standard (ICV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.122	98	90 - 110	2006-12-20

Standard (ICV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.974	97	90 - 110	2006-12-20

Standard (ICV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Barium		mg/L	1.00	0.986	99	90 - 110	2006-12-20

Standard (ICV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Cadmium		mg/L	1.00	0.954	95	95 - 105	2006-12-20

Standard (ICV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Chromium		mg/L	1.00	0.954	95	90 - 110	2006-12-20

Standard (ICV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Copper		mg/L	1.00	0.976	98	90 - 110	2006-12-20

Standard (ICV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Lead		mg/L	1.00	1.00	100	90 - 110	2006-12-20

Standard (ICV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Selenium		mg/L	1.00	0.970	97	90 - 110	2006-12-20

Standard (ICV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Zinc		mg/L	1.00	1.00	100	90 - 110	2006-12-20

Standard (CCV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Silver		mg/L	0.125	0.121	97	90 - 110	2006-12-20

Standard (CCV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Arsenic		mg/L	1.00	0.929	93	90 - 110	2006-12-20

Standard (CCV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Barium		mg/L	1.00	0.959	96	90 - 110	2006-12-20

Standard (CCV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Cadmium		mg/L	1.00	0.928	93	90 - 110	2006-12-20

Standard (CCV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Chromium		mg/L	1.00	0.923	92	90 - 110	2006-12-20

Standard (CCV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Copper		mg/L	1.00	0.952	95	90 - 110	2006-12-20

Standard (CCV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Lead		mg/L	1.00	0.966	97	90 - 110	2006-12-20

Standard (CCV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Selenium		mg/L	1.00	0.955	96	90 - 110	2006-12-20

Standard (CCV-1)

QC Batch: 32994 Date Analyzed: 2006-12-20 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Zinc		mg/L	1.00	0.982	98	90 - 110	2006-12-20

Standard (ICV-1)

QC Batch: 33006 Date Analyzed: 2006-12-15 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.58	103	90 - 110	2006-12-15

Standard (ICV-1)

QC Batch: 33006 Date Analyzed: 2006-12-15 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.2	98	90 - 110	2006-12-15
Sulfate		mg/L	12.5	13.0	104	90 - 110	2006-12-15

Standard (CCV-1)

QC Batch: 33006 Date Analyzed: 2006-12-15 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.72	109	90 - 110	2006-12-15

Standard (CCV-1)

QC Batch: 33006 Date Analyzed: 2006-12-15 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.0	104	90 - 110	2006-12-15
Sulfate		mg/L	12.5	13.7	110	90 - 110	2006-12-15

Standard (ICV-1)

QC Batch: 33017 Date Analyzed: 2006-12-21 Analyzed By: SM

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.98	100	85 - 115	2006-12-21

Standard (CCV-1)

QC Batch: 33017 Date Analyzed: 2006-12-21 Analyzed By: SM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ammonia-N		mg/L	5.00	4.82	96	85 - 115	2006-12-21

Standard (ICV-1)

QC Batch: 33035 Date Analyzed: 2006-12-21 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Sodium		mg/L	50.0	52.0	104	90 - 110	2006-12-21

Standard (CCV-1)

QC Batch: 33035 Date Analyzed: 2006-12-21 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Sodium		mg/L	50.0	54.0	108	90 - 110	2006-12-21

Standard (ICV-1)

QC Batch: 33073 Date Analyzed: 2006-12-22 Analyzed By: JG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1000	100	94.4 - 106	2006-12-22

Standard (CCV-1)

QC Batch: 33073 Date Analyzed: 2006-12-22 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	977	98	94.4 - 106	2006-12-22

Standard (CCV-1)

QC Batch: 33096 Date Analyzed: 2006-12-20 Analyzed By: JG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/L	50.0	45.4	91	80 - 120	2006-12-20
1,1-Dichloroethene		µg/L	50.0	47.3	95	80 - 120	2006-12-20
Chloroform		µg/L	50.0	46.2	92	80 - 120	2006-12-20
1,2-Dichloropropane		µg/L	50.0	47.1	94	80 - 120	2006-12-20
Toluene		µg/L	50.0	44.4	89	80 - 120	2006-12-20
Chlorobenzene		µg/L	50.0	47.0	94	80 - 120	2006-12-20
Ethylbenzene		µg/L	50.0	48.5	97	80 - 120	2006-12-20

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2006-12-26

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	1.00	100	90 - 110	2006-12-26

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	1.01	101	90 - 110	2006-12-26

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.971	97	90 - 110	2006-12-26

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.967	97	90 - 110	2006-12-26

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	1.00	100	90 - 110	2006-12-26

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		mg/L	5.00	4.90	98	90 - 110	2006-12-26

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	1.02	102	90 - 110	2006-12-26

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.983	98	90 - 110	2006-12-26

Standard (ICV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	1.04	104	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.120	96	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/L	1.00	0.914	91	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Barium		mg/L	1.00	0.952	95	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Cadmium		mg/L	1.00	0.917	92	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Chromium		mg/L	1.00	0.907	91	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Copper		mg/L	1.00	0.932	93	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		mg/L	5.00	4.60	92	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Lead		mg/L	1.00	0.959	96	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Selenium		mg/L	1.00	0.947	95	90 - 110	2006-12-26

Standard (CCV-1)

QC Batch: 33098 Date Analyzed: 2006-12-26 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Zinc		mg/L	1.00	0.971	97	90 - 110	2006-12-26

Standard (ICV-1)

QC Batch: 33125 Date Analyzed: 2006-12-27 Analyzed By: RR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	51.7	103	90 - 110	2006-12-27

Standard (CCV-1)

QC Batch: 33125 Date Analyzed: 2006-12-27 Analyzed By: RR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Sodium		mg/L	50.0	48.6	97	90 - 110	2006-12-27

Standard (ICV-1)

QC Batch: 33182 Date Analyzed: 2006-12-27 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	5.00	5.03	101	90 - 110	2006-12-27

Standard (ICV-1)

QC Batch: 33182 Date Analyzed: 2006-12-27 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	1.13	1.23	109	90 - 110	2006-12-27

Standard (ICV-1)

QC Batch: 33182 Date Analyzed: 2006-12-27 Analyzed By: WB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	5.00	4.88	98	90 - 110	2006-12-27

Standard (CCV-1)

QC Batch: 33182 Date Analyzed: 2006-12-27 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Bromide		mg/L	2.50	2.55	102	90 - 110	2006-12-27

Standard (CCV-1)

QC Batch: 33182 Date Analyzed: 2006-12-27 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrite-N		mg/L	2.50	2.45	98	90 - 110	2006-12-27

Standard (CCV-1)

QC Batch: 33182 Date Analyzed: 2006-12-27 Analyzed By: WB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.60	104	90 - 110	2006-12-27

Standard (ICV-1)

QC Batch: 33482 Date Analyzed: 2007-01-05 Analyzed By: JS

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.176	110	85 - 115	2007-01-05

Standard (CCV-1)

QC Batch: 33482 Date Analyzed: 2007-01-05 Analyzed By: JS

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.160	0.159	99	85 - 115	2007-01-05